ABSTRACT

The invention relates to several apparatuses and methods for the continuous production of carbon soot with a high content of fullerenes, endohedral metallofullerenes (EMFs), and carbon nanotubes. In addition, the invention relates to anaerobic manipulations of carbon-based compounds. The claimed apparatuses and methods provide optimal conditions during annealing processes. In particular, the rotary shielding block of the present invention can effectively prevent resultant products from exposure to intense ultraviolet radiation associated with vaporization processes.